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## FIG. 1

Indy ORF

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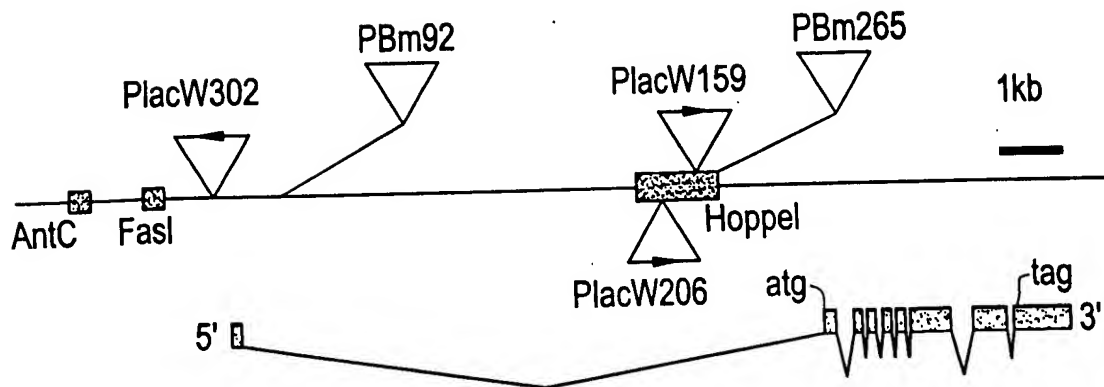
## FIG. 2

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FMGGIMVALAVEYCNLHKRLALRVIQIVGCSPRRLHFGLIMVTMFLSMWI  
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PTFMFYSVPSMLVYTLLTFVFLQWHFMGLWRPKSKEAQEVQREGADVA  
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DIRNSMPTIFVVVMCFMLPANYAFLRYCTRGGPVPTGPTPSLITWKFIQ  
TKVPWGLVFLGGSFALAEGSKQSGMAKLIGNALIGLKVLPNVLLLVVI  
LVAVFLTAFSSNVAIANIIPVLAEMSLAIEIHPLYLILPAGLACSMFAH  
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NLNSFPEWAQIYAAAALGNKTH



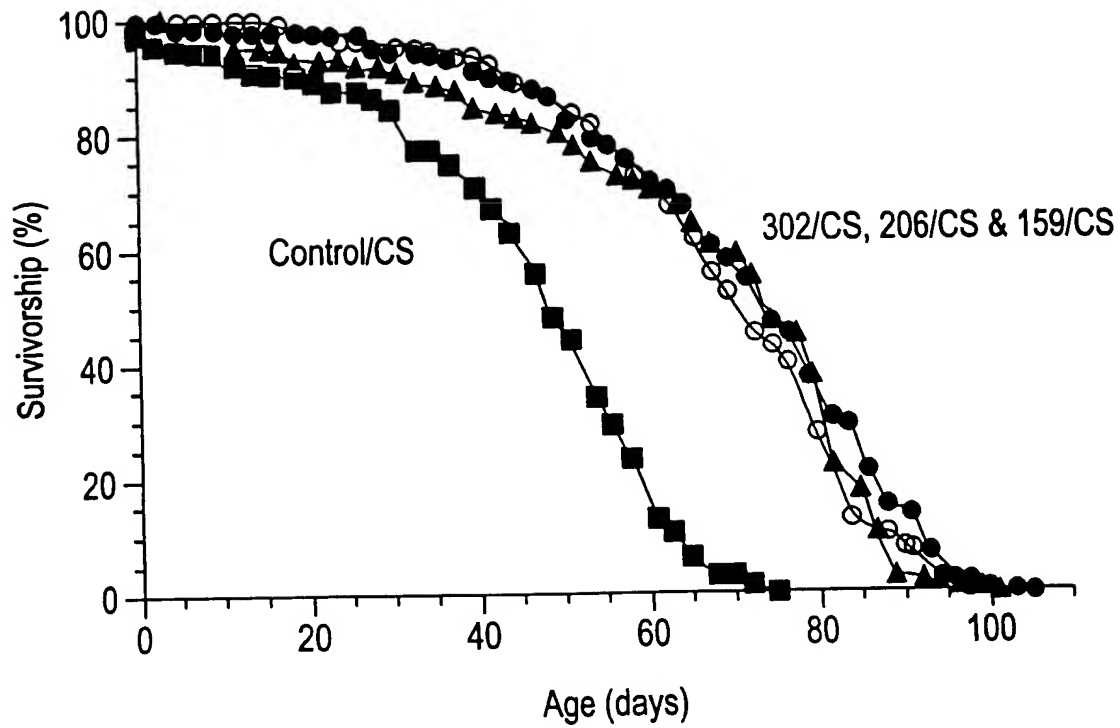
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FIG. 3



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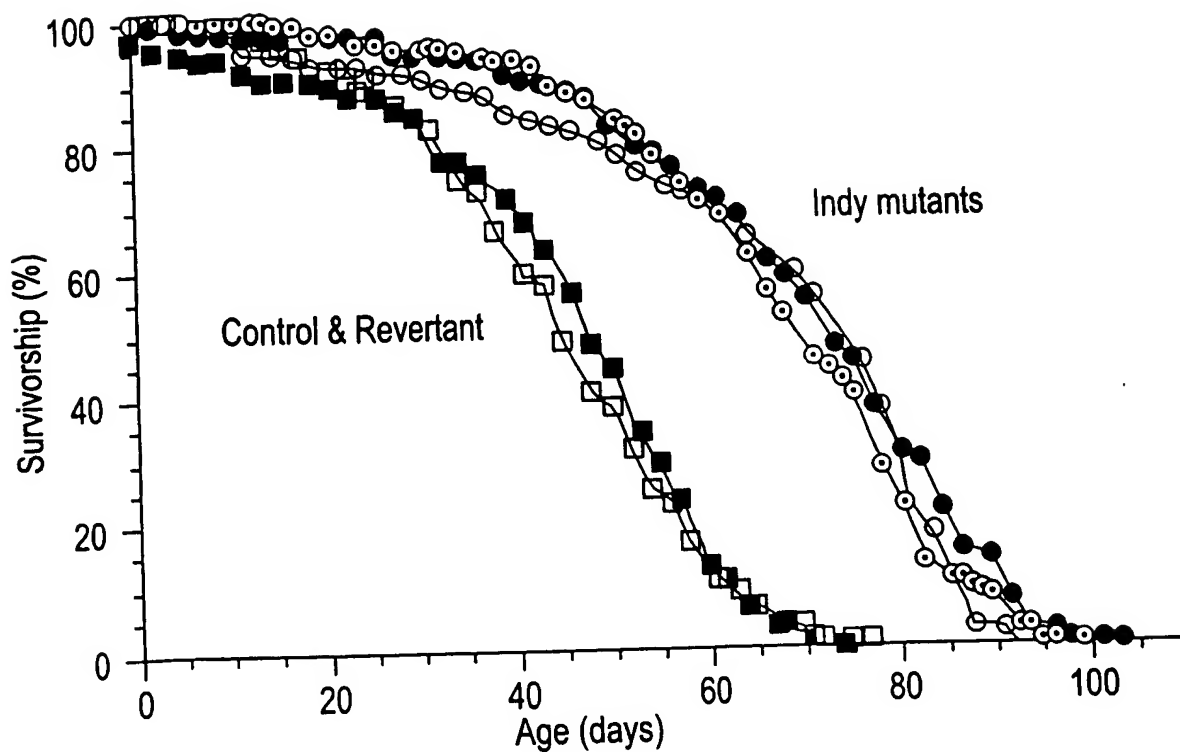
FIG. 4





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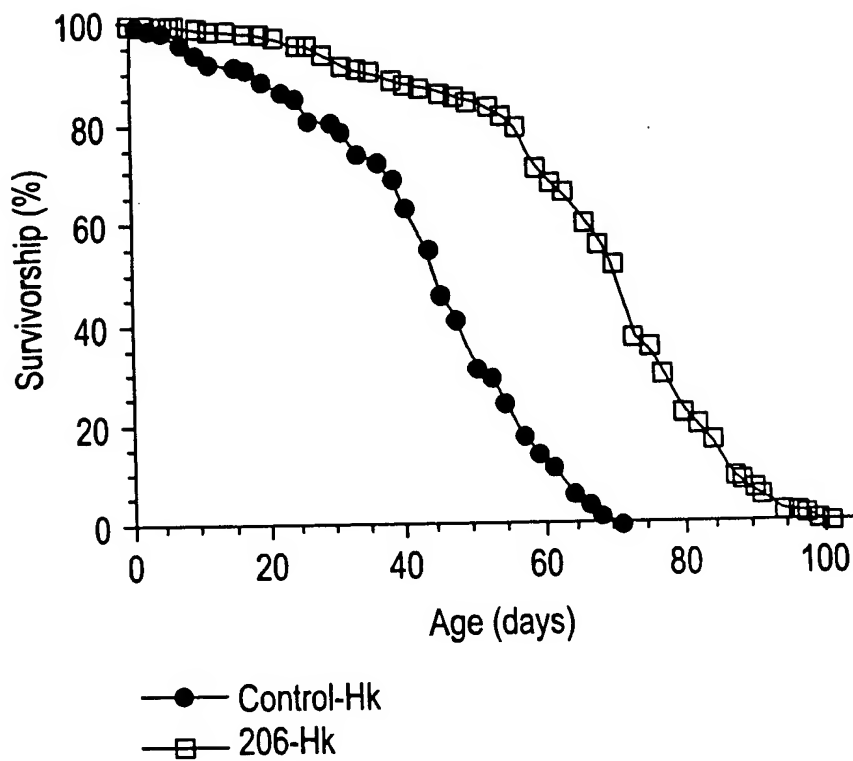
FIG. 5





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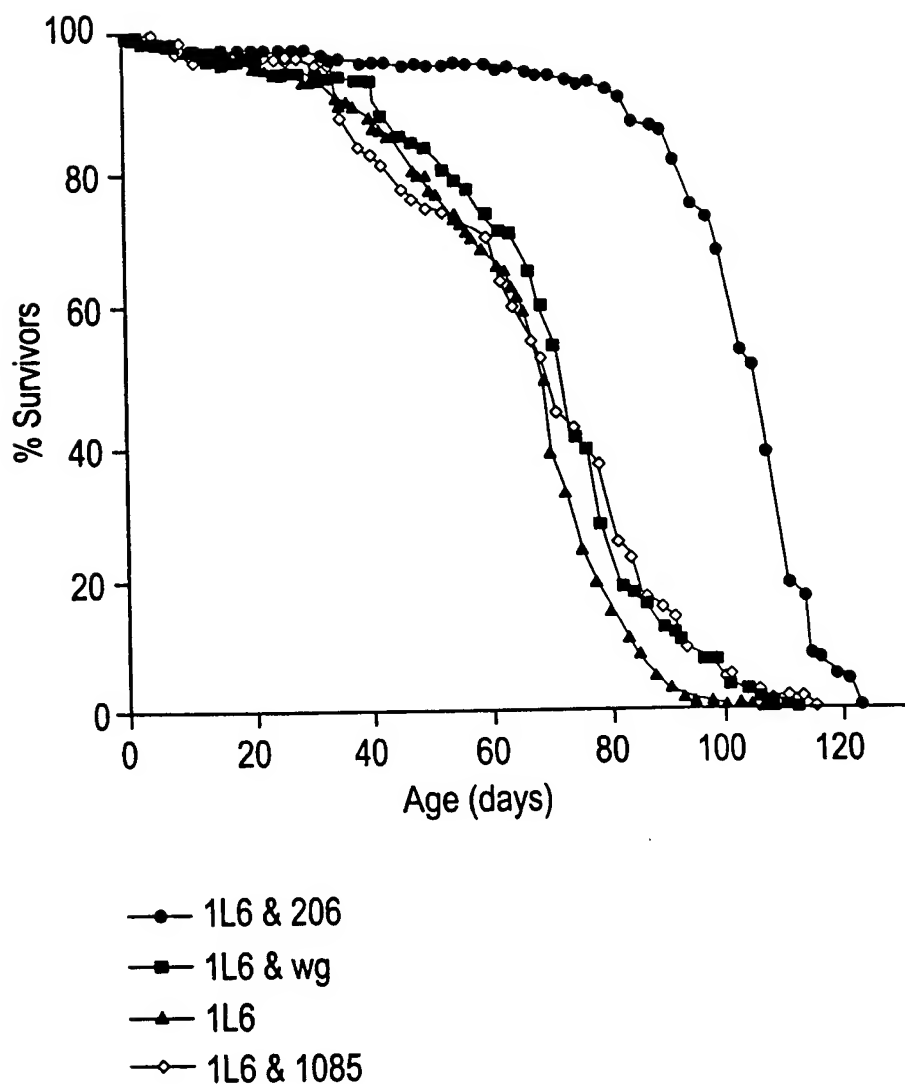
FIG. 6





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FIG. 7





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FIG. 8

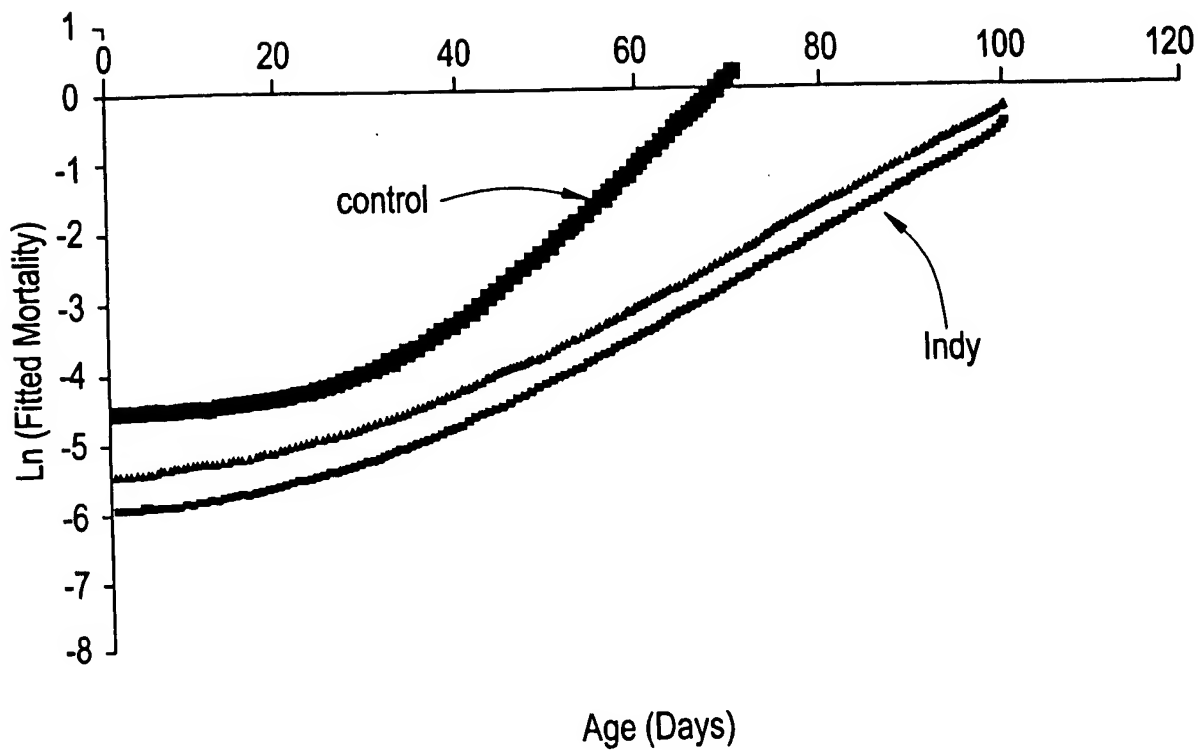






FIG. 9

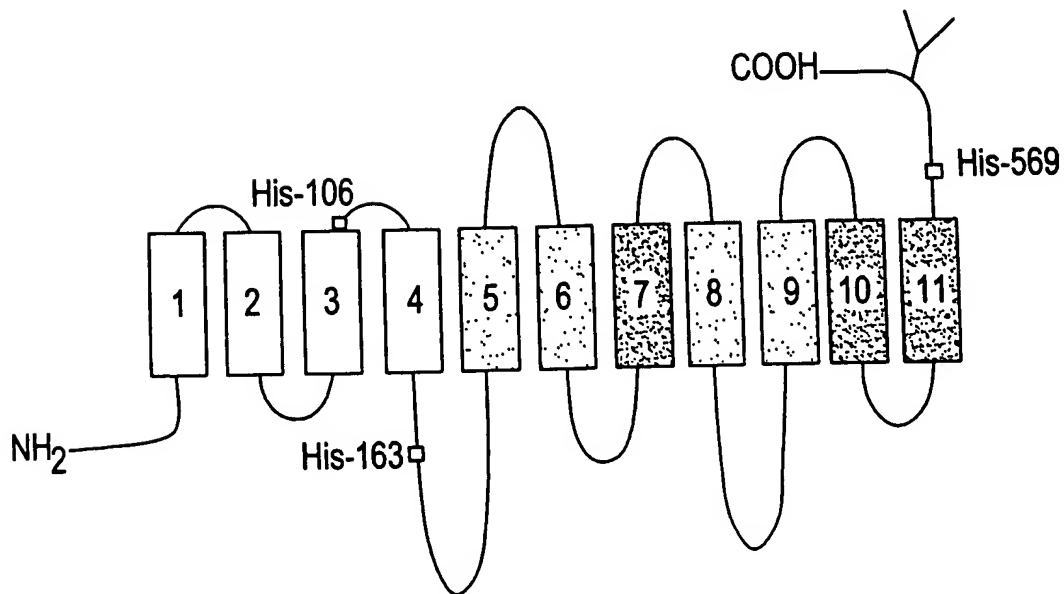
INDY	1:	MEI EI GEOPQPPV KOSNFFANHWGGLVFLVPLQLQPVMLL NEAEFFRCMLLVMAFWTEALPLVWISMPVAFFPVGIVSSDQTORLYKFDILVWFV:102	100
INDY-2	1:	~MAEPGEORKEV GRCCIF HW GKASII PL TLPI IT YGQTMAEFKO WL V MAI LITLPI VTAI PFI VFOPI IG vNaSI VCKQYFIDI WEL:102	
hNaDC-1	1:	~MAEPGEORKEV GRCCIF HW GKASII PL TLPI IT YGQTMAEFKO WL V MAI LITLPI VTAI PFI VFOPI IG vNaSI VCKQYFIDI WEL:102	
SDCT1	1:	~MAEPGEORKEV GRCCIF HW GKASII PL TLPI IT YGQTMAEFKO WL V MAI LITLPI VTAI PFI VFOPI IG vNaSI VCKQYFIDI WEL:102	
SDCT2	1:	~MAEPGEORKEV GRCCIF HW GKASII PL TLPI IT YGQTMAEFKO WL V MAI LITLPI VTAI PFI VFOPI IG vNaSI VCKQYFIDI WEL:102	
INDY	103:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	200
INDY-2	103:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
hNaDC-1	92:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
SDCT1	92:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
SDCT2	95:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
INDY	195:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	210
INDY-2	195:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
hNaDC-1	191:	LDNGOALPVTSSASSG RAHL SQHLH I I CCMSI QVysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	300
SDCT1	191:	LDNGOALPVTSSASSG RAHL SQHLH I I CCMSI QVysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	
SDCT2	191:	LDNGOALPVTSSASSG RAHL SQHLH I I CCMSI QVysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	
INDY	201:	SEGGAEDVEAPLEL DDSKEEHRN MWKGI LI SI Pysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	310
INDY-2	201:	SEGGAEDVEAPLEL DDSKEEHRN MWKGI LI SI Pysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	
hNaDC-1	201:	SEGGAEDVEAPLEL DDSKEEHRN MWKGI LI SI Pysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	
SDCT1	201:	SEGGAEDVEAPLEL DDSKEEHRN MWKGI LI SI Pysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	
SDCT2	201:	SEGGAEDVEAPLEL DDSKEEHRN MWKGI LI SI Pysas GGI aII TGI PNLLVLCQ ns LEPqGnGvvnEaswFSI aFPI MWI LLLAM wGLI GFN:293	
INDY	280:	WRP KSKEAEVGRREGADVAKVVDGKRYKDLGPMI HEI QVMI LTFMVMVETKPGI ELGWADLL NSK DI RNSMPTI EVVMVCEM PANVAFHYCT:379	400
INDY-2	280:	WRP KSKEAEVGRREGADVAKVVDGKRYKDLGPMI HEI QVMI LTFMVMVETKPGI ELGWADLL NSK DI RNSMPTI EVVMVCEM PANVAFHYCT:379	
hNaDC-1	280:	WRP KSKEAEVGRREGADVAKVVDGKRYKDLGPMI HEI QVMI LTFMVMVETKPGI ELGWADLL NSK DI RNSMPTI EVVMVCEM PANVAFHYCT:379	
SDCT1	280:	WRP KSKEAEVGRREGADVAKVVDGKRYKDLGPMI HEI QVMI LTFMVMVETKPGI ELGWADLL NSK DI RNSMPTI EVVMVCEM PANVAFHYCT:379	
SDCT2	280:	WRP KSKEAEVGRREGADVAKVVDGKRYKDLGPMI HEI QVMI LTFMVMVETKPGI ELGWADLL NSK DI RNSMPTI EVVMVCEM PANVAFHYCT:379	
INDY	375:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	410
INDY-2	375:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
hNaDC-1	375:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
SDCT1	375:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
SDCT2	375:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
INDY	380:	RRGGEVPTGPTPSLI TWKELCTKVPVGVFL LGGGFALAECSKSGMVKL GNAB GIKVLPNSVLLLVMI EVAVELAESSNVAL ANI I PVLAEMSLAI E HPL:485	500
INDY-2	380:	RRGGEVPTGPTPSLI TWKELCTKVPVGVFL LGGGFALAECSKSGMVKL GNAB GIKVLPNSVLLLVMI EVAVELAESSNVAL ANI I PVLAEMSLAI E HPL:485	
hNaDC-1	380:	RRGGEVPTGPTPSLI TWKELCTKVPVGVFL LGGGFALAECSKSGMVKL GNAB GIKVLPNSVLLLVMI EVAVELAESSNVAL ANI I PVLAEMSLAI E HPL:485	
SDCT1	380:	RRGGEVPTGPTPSLI TWKELCTKVPVGVFL LGGGFALAECSKSGMVKL GNAB GIKVLPNSVLLLVMI EVAVELAESSNVAL ANI I PVLAEMSLAI E HPL:485	
SDCT2	380:	RRGGEVPTGPTPSLI TWKELCTKVPVGVFL LGGGFALAECSKSGMVKL GNAB GIKVLPNSVLLLVMI EVAVELAESSNVAL ANI I PVLAEMSLAI E HPL:485	
INDY	480:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	510
INDY-2	480:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
hNaDC-1	480:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
SDCT1	480:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
SDCT2	480:	GGI WALAVEYCNHKKH ALRV Q VCSRRRLHFGLIMVIMFSLMI SNAAGTAMVCP II QAVLEELQAGVQVNI Q HEPOVQIVGNKKNN:195	
INDY	500:	WMLPCTLAASI AFNLPVATPPNA VFSI GG KVSIDVAPAGFLN LGV I AI SI nswi PI f. SUTSEPSMAC s. NUSQCLNPSINSTVPGGL:587	600
INDY-2	500:	WMLPCTLAASI AFNLPVATPPNA VFSI GG KVSIDVAPAGFLN LGV I AI SI nswi PI f. SUTSEPSMAC s. NUSQCLNPSINSTVPGGL:587	
hNaDC-1	500:	WMLPCTLAASI AFNLPVATPPNA VFSI GG KVSIDVAPAGFLN LGV I AI SI nswi PI f. SUTSEPSMAC s. NUSQCLNPSINSTVPGGL:587	
SDCT1	500:	WMLPCTLAASI AFNLPVATPPNA VFSI GG KVSIDVAPAGFLN LGV I AI SI nswi PI f. SUTSEPSMAC s. NUSQCLNPSINSTVPGGL:587	
SDCT2	500:	WMLPCTLAASI AFNLPVATPPNA VFSI GG KVSIDVAPAGFLN LGV I AI SI nswi PI f. SUTSEPSMAC s. NUSQCLNPSINSTVPGGL:587	



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FIG. 10





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FIG. 11B



FIG. 11D

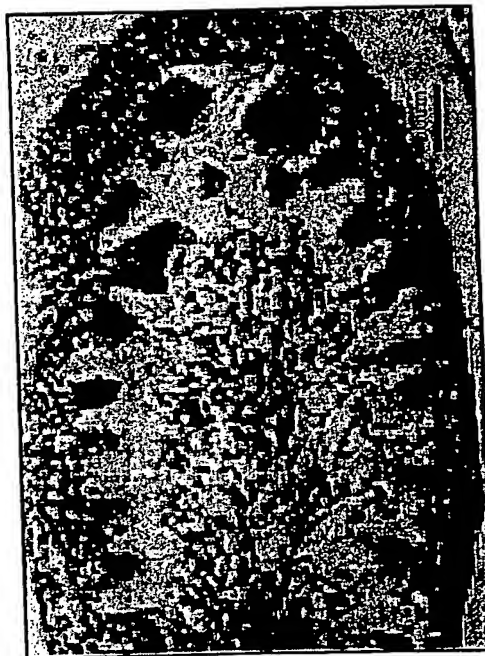


FIG. 11A



FIG. 11C





FIG. 12B



FIG. 12D

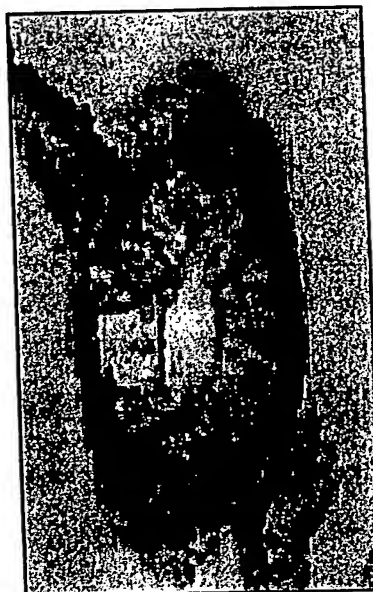


FIG. 12A

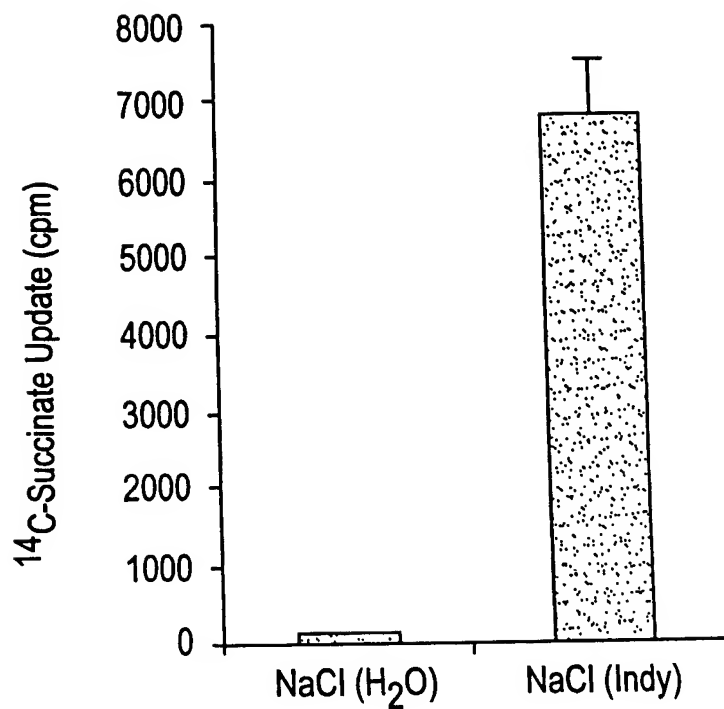


FIG. 12C





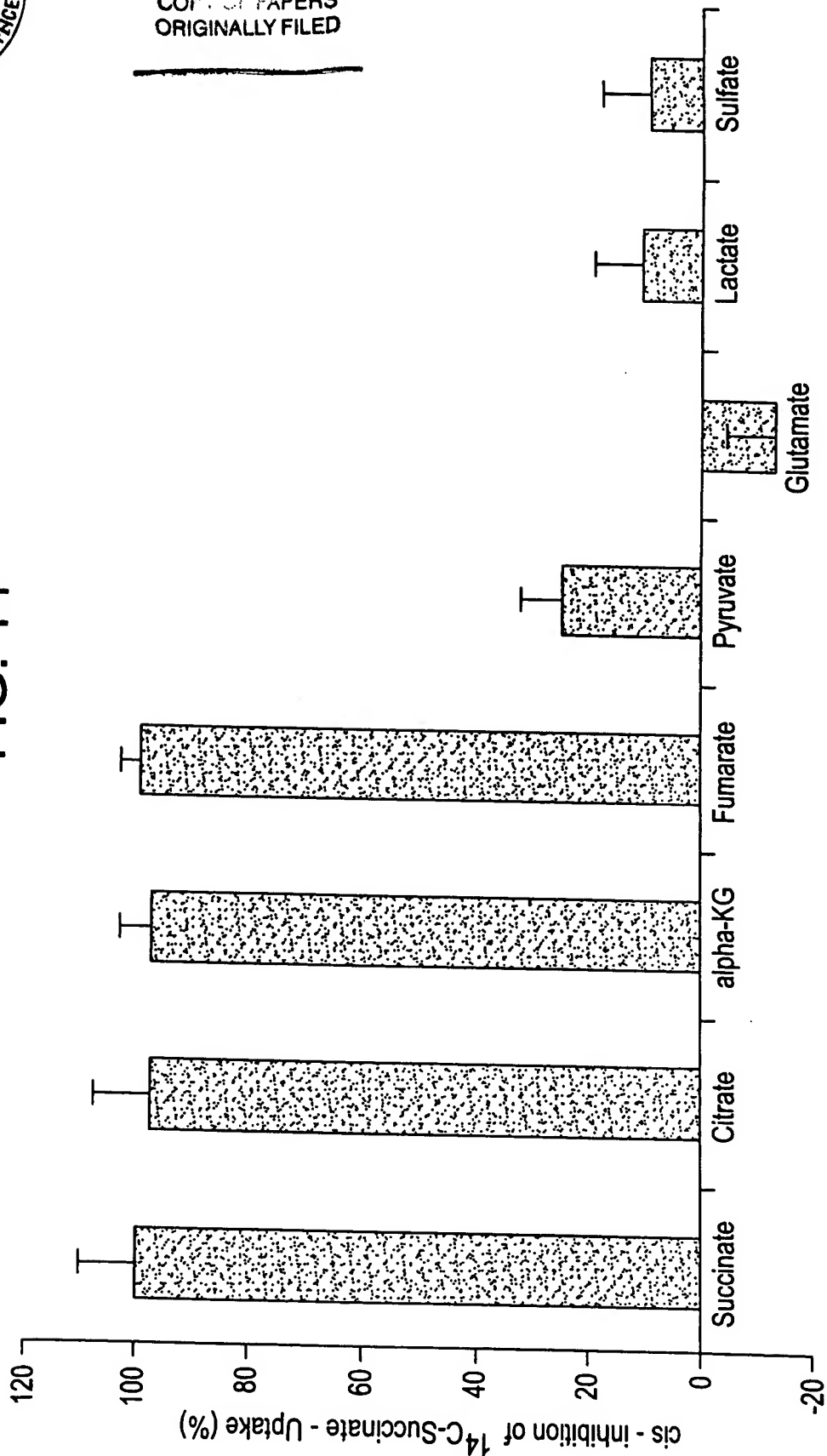
FIG. 13





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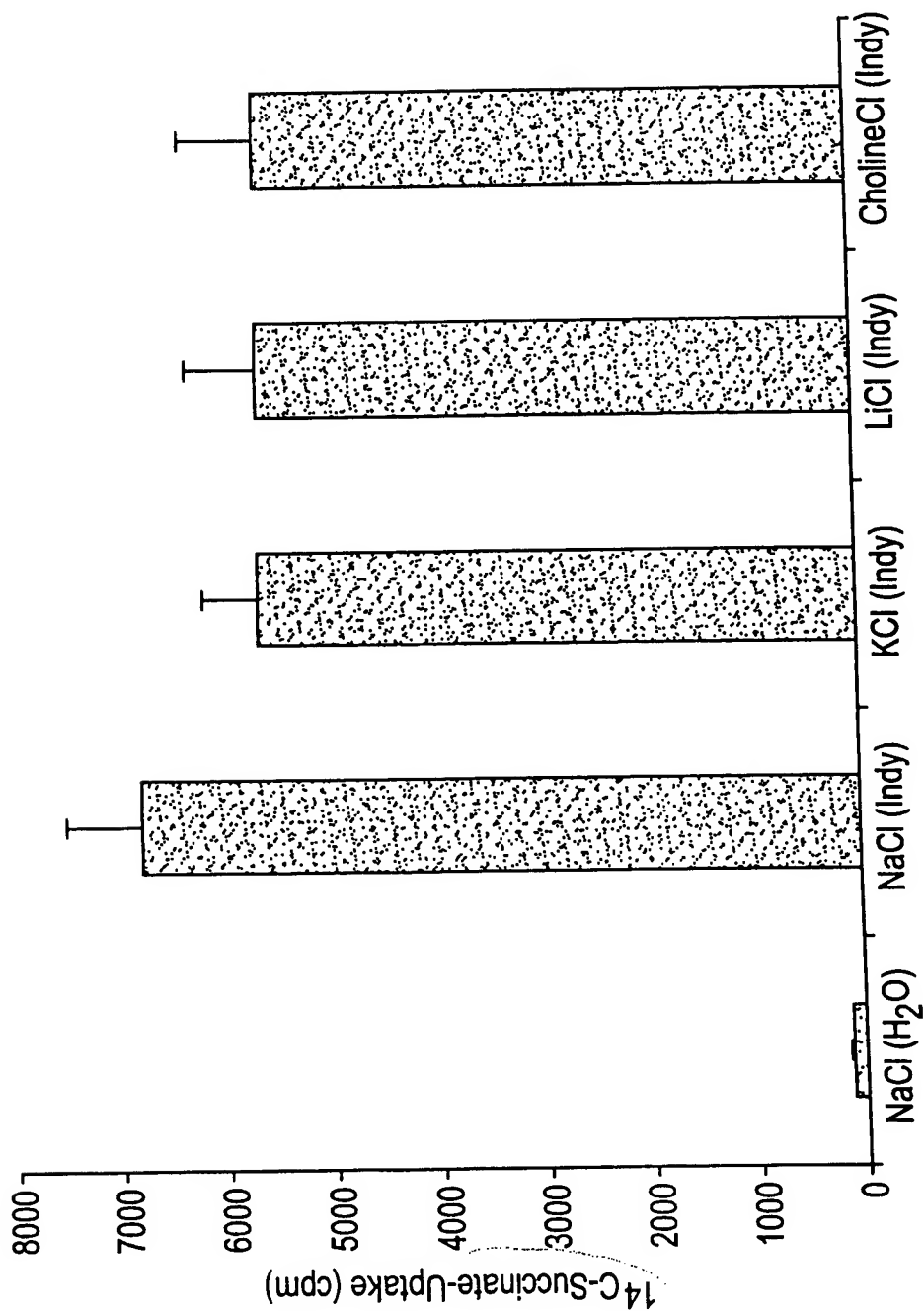
FIG. 14





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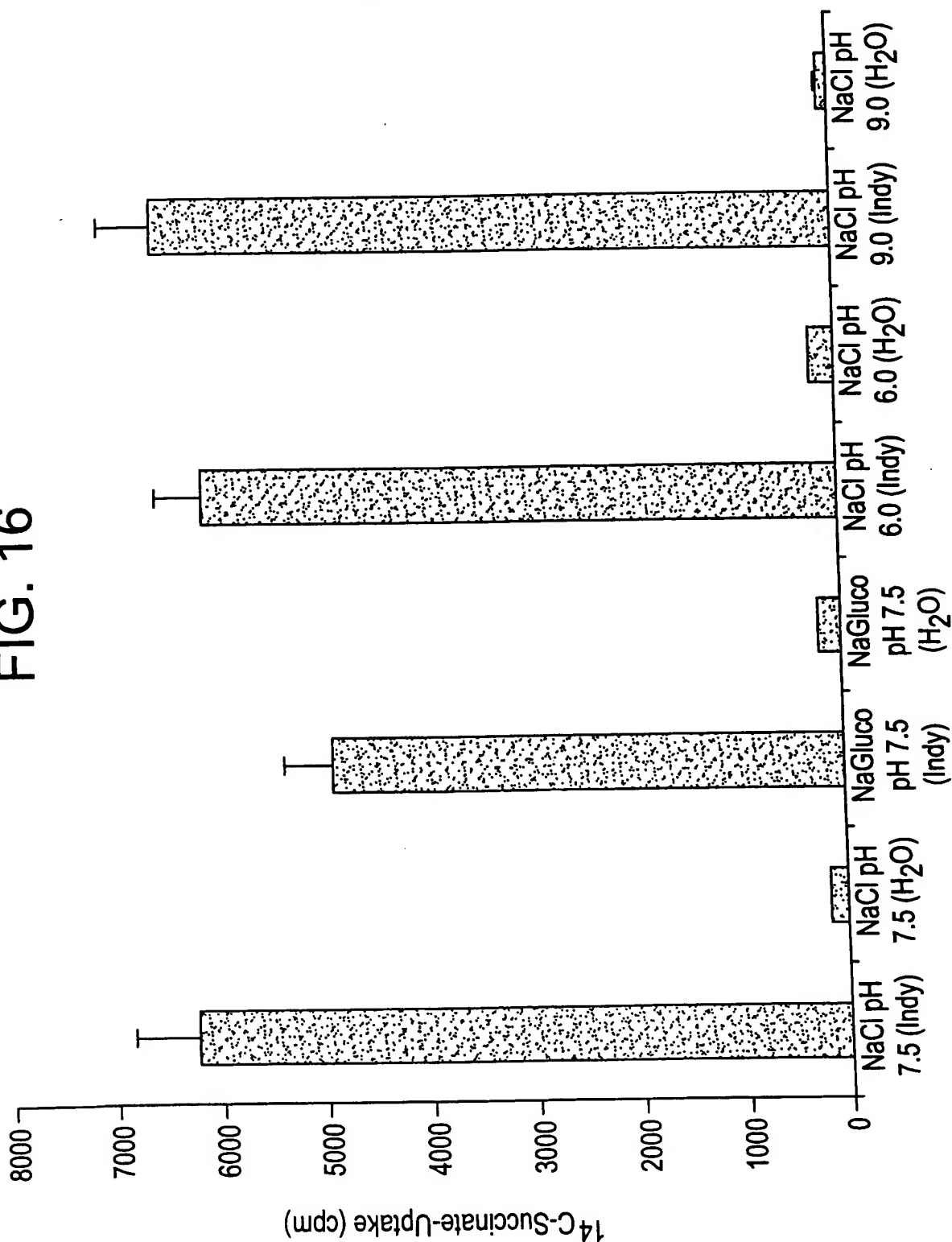
FIG. 15





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FIG. 16



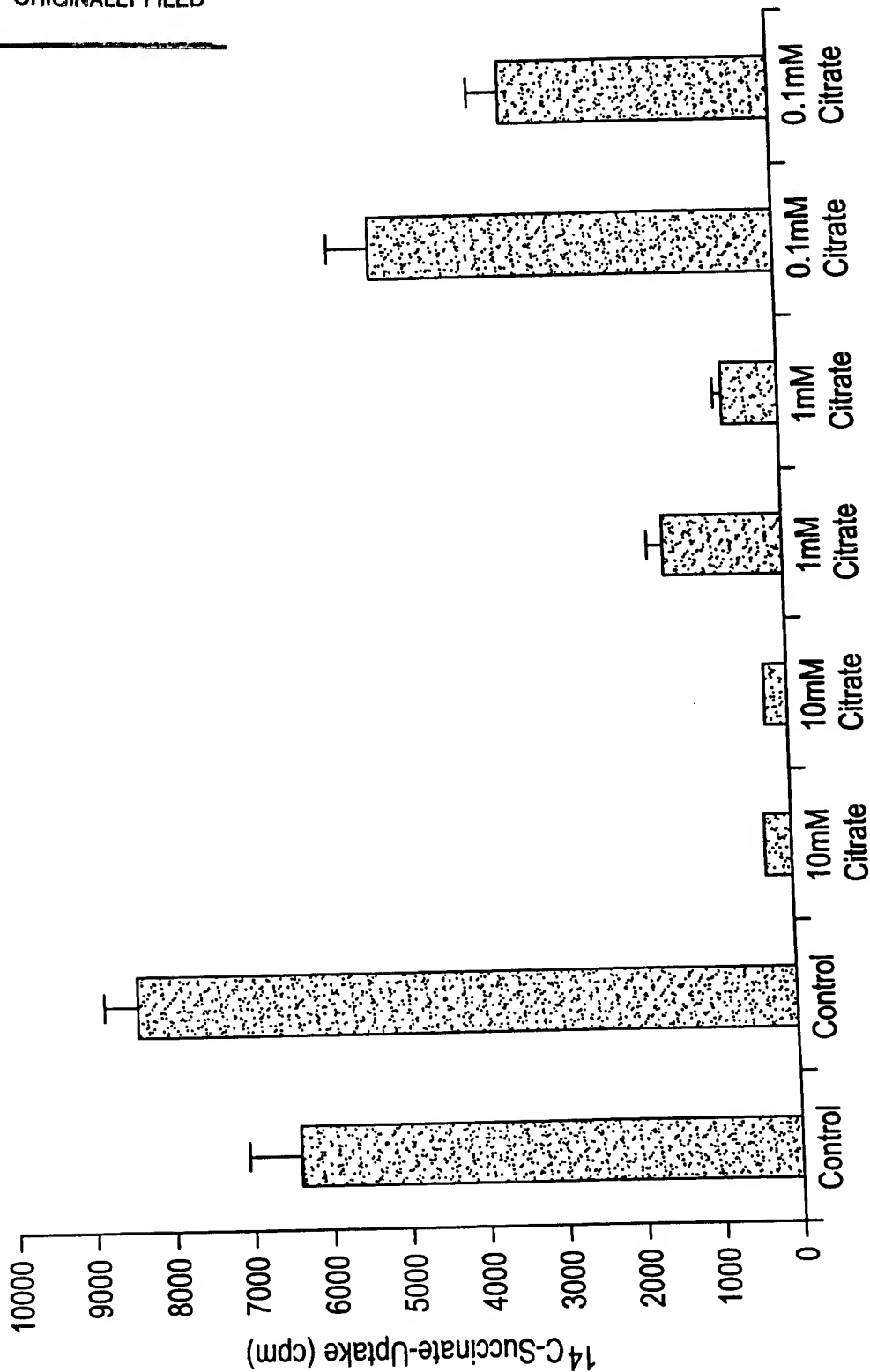


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FIG. 17

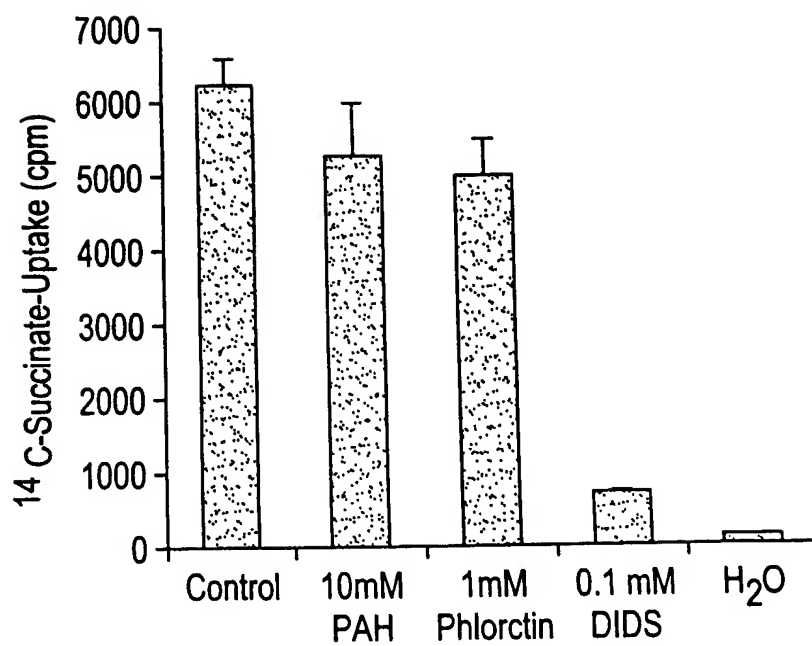




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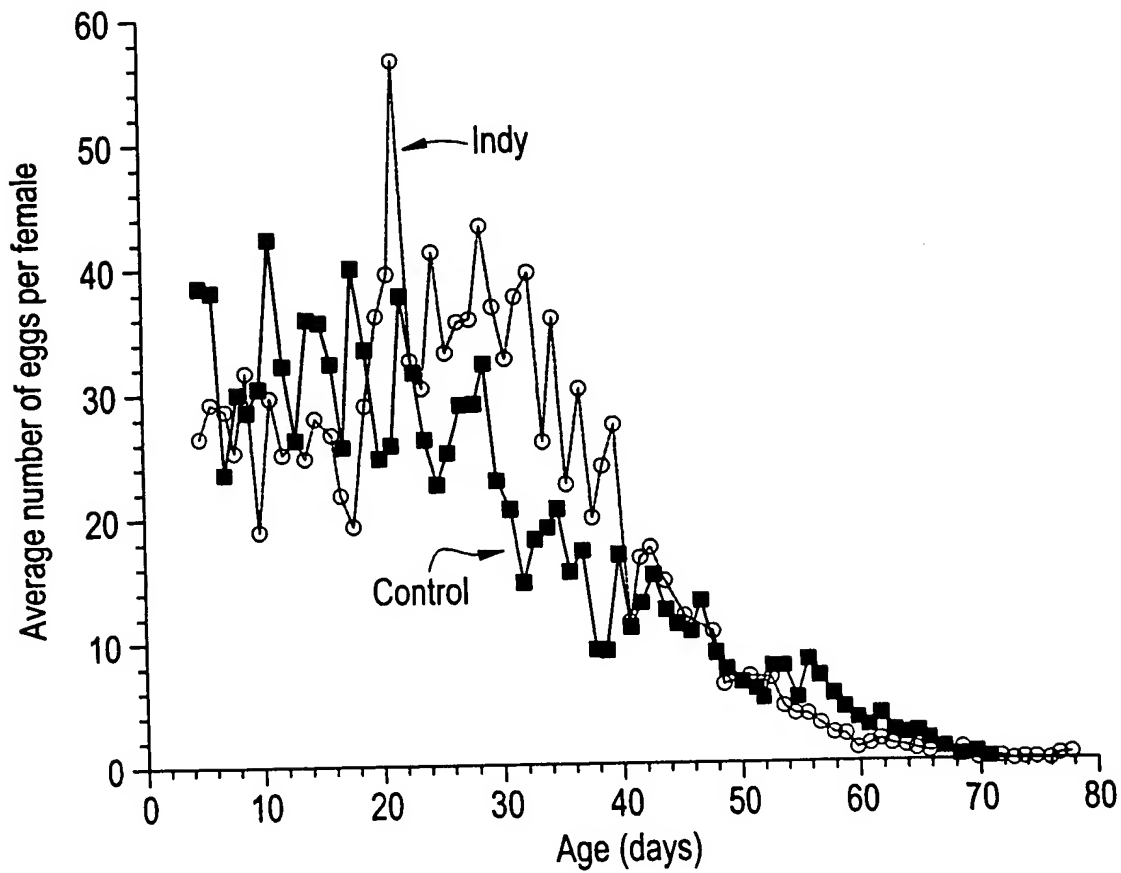
FIG. 18





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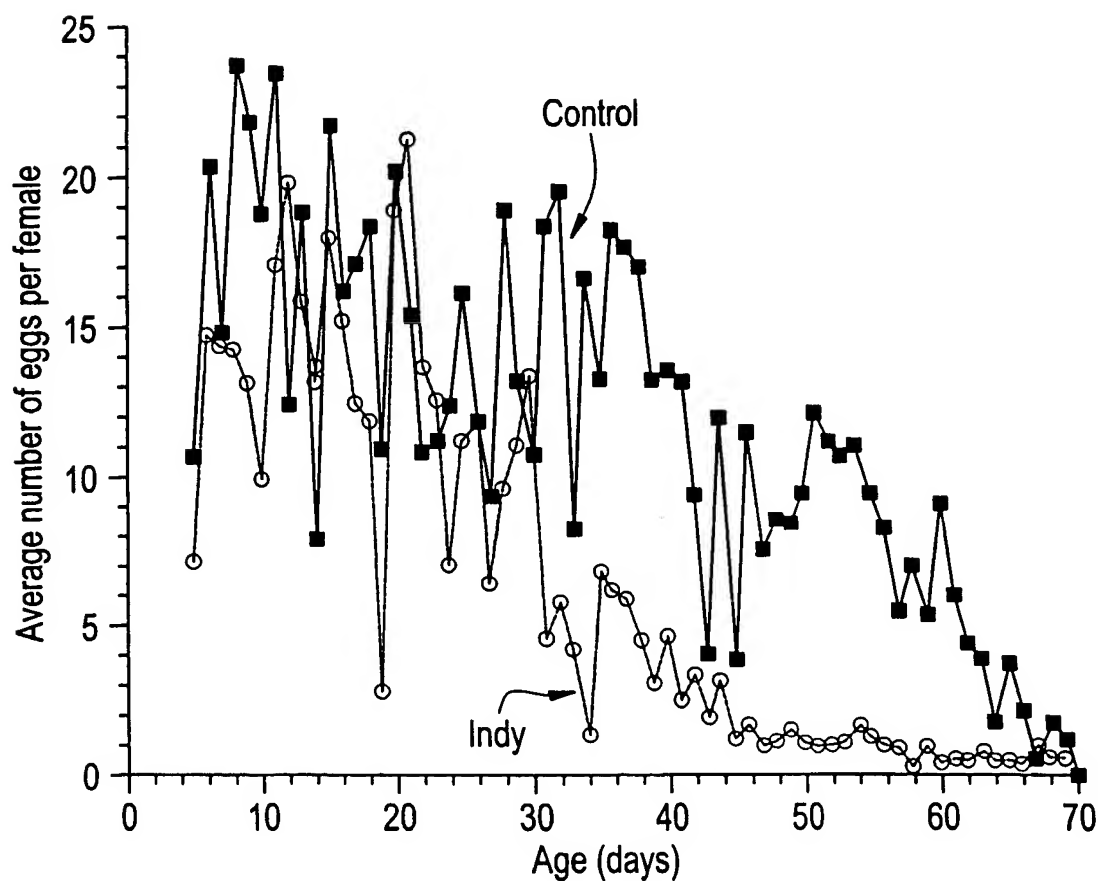
FIG. 19





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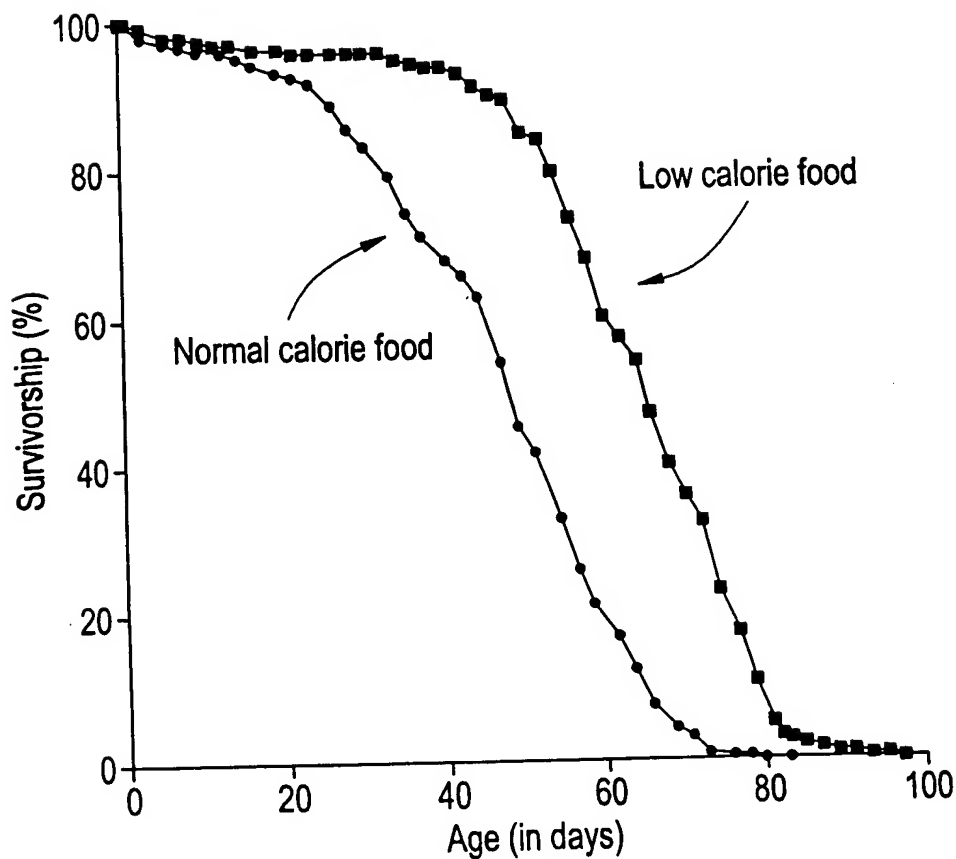
FIG. 20





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FIG. 21





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FIG. 22

